

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 1    | "6567915".pn. and hardware  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                                  | OR               | ON      | 2006/10/18 06:45 |
| L2    | 1    | "6567915".pn. and (hardware circuit)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                                  | OR               | ON      | 2006/10/18 06:45 |
| L3    | 53   | ("4317014" "4528566" "5408772" "3644886" "3863244"<br>"3811049" "3810147" "4255887" "4379254" "4418411"<br>"4441226" "4461300" "4506148" "4575676" "4766516"<br>"4831503" "4847577" "4857890" "4884072" "4894714"<br>"4896349" "4922111" "4926164" "4982645" "4991212"<br>"5003253" "5005306" "5006846" "5012236" "5015830"<br>"5025351" "5181026" "5182770" "5196846" "5231349"<br>"5262813" "5301091" "5333011" "5341368" "5396215"<br>"5408695" "5438862" "5471039" "5473692" "5475205"<br>"5504521" "5506584" "5533589" "5557281" "5568552" ).pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                                  | OR               | ON      | 2006/10/18 07:50 |
| L4    | 50   | ("4317014" "4528566" "5408772" "3644886" "3863244"<br>"3811049" "3810147" "4255887" "4379254" "4418411"<br>"4441226" "4461300" "4506148" "4575676" "4766516"<br>"4831503" "4847577" "4857890" "4884072" "4894714"<br>"4896349" "4922111" "4926164" "4982645" "4991212"<br>"5003253" "5005306" "5006846" "5012236" "5015830"<br>"5025351" "5181026" "5182770" "5196846" "5231349"<br>"5262813" "5301091" "5333011" "5341368" "5396215"<br>"5408695" "5438862" "5471039" "5473692" "5475205"<br>"5504521" "5506584" "5533589" "5557281" "5568552" ).pn. | US-PGPUB;<br>USPAT   | OR               | ON      | 2006/10/18 07:31 |
| L5    | 1051 | 713/189.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                                  | OR               | ON      | 2006/10/18 07:31 |
| L6    | 485  | 713/189.ccls.   | USPAT  | OR               | ON      | 2006/10/18 07:50 |
| L7    | 4971 | (enable disable) with hardware and integrated adj circuit   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/18 07:39 |
| L8    | 906  | (enable disable) with hardware with (block section function) and integrated adj circuit   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/18 07:39 |
| L9    | 440  | (enable disable) with hardware with (block section function) and integrated adj circuit and @ad<"20020117"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/10/18 07:39 |
| L10   | 27   | ("20010037301" "4291404" "4601034" "4766516" "4924378" "4985920" "5027398" "5034980" "5123045" "5182770" "5363380" "5761309" "5903650" "6000004" "6018800" "6198669" "6294816" "6510502" "6535016" "6567915" "6606744" "6629061" "6763463" "6772133" "6779112" "6779113" "6820063").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                                  | OR               | ON      | 2006/10/18 07:50 |
| L11   | 16   | (US-20010037301-\$ or US-20020024884-\$).did. or<br>(US-5123045-\$ or US-6198669-\$ or US-6779113-\$ or<br>US-6779112-\$ or US-6000004-\$ or US-6606744-\$ or<br>US-6567915-\$ or US-6820063-\$ or US-6772133-\$ or<br>US-6775779-\$ or US-6438068-\$ or US-6278654-\$ or<br>US-6708273-\$ or US-4506148-\$).did.   | US-PGPUB;<br>USPAT   | OR               | ON      | 2006/10/18 07:50 |
| L12   | 5    | I11 not I10   | USPAT  | OR               | ON      | 2006/10/18 07:50 |

## EAST Search History

|     |         |  |   |    |    |                  |
|-----|---------|--|---|----|----|------------------|
| S1  | 1       | "5774545".pn.  | US-PGPUB;<br>USPAT                        | OR | ON | 2005/06/09 11:22 |
| S2  | 11      | ("4926480"   "5581503").PN. OR ("5774545").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 05:53 |
| S3  | 100     | ("4317014" "4766516" "4857890" "4884072" "5196846"<br>"5748875" "5796940" "5978476" "6011320" "6011958"<br>"6050494" "4528566" "5408772" "3644886" "3863244"<br>"3811049" "3810147" "4255887" "4379254" "4418411"<br>"4441226" "4461300" "4506148" "4575676" "4831503"<br>"4847577" "4894714" "4896349" "4922111" "4926164"<br>"4982645" "4991212" "5003253" "5005306" "5006846"<br>"5012236" "5015830" "5025351" "5181026" "5182770"<br>"5231349" "5262813" "5301091" "5333011" "5341368"<br>"5396215" "5408695" "5438862" "5471039" "5473692").pn.<br>("5475205" "5504521" "5506584" "5533589" "5557281"<br>"5568552" "5586145" "5596382" "5600253" "5599046"<br>"5604679" "5621200" "5622423" "5642095" "5664950"<br>"5668880" "5687190" "5686765" "5697060" "5696739"<br>"5721875" "5767794" "5793477" "5796941" "5818019"<br>"5824571" "5825414" "5829245" "5841401" "5844789"<br>"5882722" "5903104" "5997044" "6006354" "6025784"<br>"6028511" "6049674" "6054764" "6053405" "6058478"<br>"6060838" "6064302" "6094133" "6102961" "6108636"<br>"6108376" "6111506" "6131075" "6141676" "6164532").pn. | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 05:58 |
| S4  | 800     | license adj information  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 05:58 |
| S5  | 1218520 | license wth information  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 05:58 |
| S6  | 4591    | license with information   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 05:58 |
| S7  | 114     | license with information same (ic integrated adj circuit)  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 05:59 |
| S8  | 91      | license with information same (ic integrated adj circuit) and<br>memory  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 06:18 |
| S9  | 1214    | system\$4chip  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 06:18 |
| S10 | 29      | system\$4chip and license  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 06:18 |
| S11 | 33      | system\$4chip and license\$  | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 06:18 |
| S12 | 83      | ("4319079"   "4829296"   "4866769").PN. OR ("5182770").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 06:46 |
| S13 | 44      | ("3430564"   "3564358"   "3721838").PN. OR ("4766516").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | ON | 2005/06/09 07:06 |
| S14 | 213777  | system-on-a-chip or system-on-chip or soc or system adj2 chip  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/06/09 07:11 |
| S15 | 4759    | S14 and license\$  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2005/06/09 07:07 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S16 | 11    | S14 and license\$ adj information   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 07:08 |
| S17 | 13397 | system-on-a-chip or system-on-chip or system adj2 chip  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 08:08 |
| S18 | 2741  | system-on-a-chip or system-on-chip or system adj2 chip and license\$  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 07:12 |
| S19 | 2410  | system-on-a-chip or system-on-chip or system adj2 chip and license\$ and ("713"/\$.ccls. "380"/\$.ccls.)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 07:12 |
| S20 | 2361  | system-on-a-chip or system-on-chip or system adj2 chip and license\$ with information and ("713"/\$.ccls. "380"/\$.ccls.)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 07:12 |
| S21 | 1012  | system-on-a-chip or system-on-chip or system adj2 chip and license\$ with information and ("713"/\$.ccls. "380"/\$.ccls.)   | USPAT   | OR | ON | 2005/06/09 07:13 |
| S22 | 2     | (system-on-a-chip or system-on-chip or system adj2 chip) and license\$ with information and ("713"/\$.ccls. "380"/\$.ccls.) | USPAT   | OR | ON | 2005/06/09 07:14 |
| S23 | 13    | (system-on-a-chip or system-on-chip or system adj2 chip) and license\$ with information                                     | USPAT   | OR | ON | 2005/06/09 07:15 |
| S24 | 669   | (integrat\$ adj circuit semiconductor or chip) and license\$ with information   | USPAT   | OR | ON | 2005/06/09 07:16 |
| S25 | 669   | (integrat\$ adj circuit or semiconductor or chip) and license\$ with information  | USPAT   | OR | ON | 2005/06/09 07:22 |
| S26 | 74    | (bios) and license\$ with information   | USPAT   | OR | ON | 2005/06/09 07:43 |
| S27 | 4     | semiconductor same integrated same circuit same function same license   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 07:44 |
| S28 | 43509 | lsi   | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/09 07:58 |
| S29 | 756   | lsi and ("713"/\$.ccls.)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/09 07:58 |
| S30 | 536   | lsi and ("713"/\$.ccls.)  | USPAT   | OR | ON | 2005/06/09 07:59 |
| S31 | 31198 | digital adj circuit   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 07:59 |
| S32 | 1244  | license\$ adj information   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 07:59 |
| S33 | 1359  | license\$ adj (information code)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 08:00 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S34 | 3560 | license\$ adj (information code number)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 08:00 |
| S35 | 12   | S31 and S34  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 08:00 |
| S36 | 5    | (US-4766516-\$ or US-5182770-\$ or US-5903650-\$ or US-6294816-\$ or US-6535016-\$).did.                             | USPAT   | OR | ON | 2005/06/09 08:05 |
| S37 | 3    | S36 and license  | USPAT   | OR | ON | 2005/06/09 08:05 |
| S38 | 2824 | system-on-a-chip or system-on-chip or system adj2 chip and authentication  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 08:08 |
| S39 | 2516 | system-on-a-chip or system-on-chip or system adj2 chip and authentication and license                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 08:08 |
| S40 | 2516 | system-on-a-chip or system-on-chip or system adj2 chip and authentication and license and (decod\$ time valid)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 08:09 |
| S41 | 2516 | system-on-a-chip or system-on-chip or system adj2 chip and authentication and license and (decod\$ time valid count) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 08:09 |
| S42 | 171  | (system-on-a-chip or system-on-chip or system adj2 chip) and authentication and license and (decod\$ time valid)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 08:23 |
| S43 | 1272 | (smart adj card) and authentication and license and (decod\$ time valid)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 08:23 |
| S44 | 410  | (smart adj card) and authentication and license and (decod\$ time valid) and ("713"/\$.ccls. "380"/\$.ccls.)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                         | OR | ON | 2005/06/09 08:24 |
| S45 | 174  | (smart adj card) and authentication and license and (decod\$ time valid) and ("713"/\$.ccls. "380"/\$.ccls.)         | USPAT   | OR | ON | 2005/06/09 11:19 |
| S46 | 0    | function adj block same memory same license same circuit same (authenticat\$ verif\$)                                | USPAT   | OR | ON | 2005/06/09 11:20 |
| S47 | 0    | function adj block same memory same license same circuit same (authenticat\$ verif\$)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 11:20 |
| S48 | 0    | function adj block same memor\$ same license same circuit same (authenticat\$ verif\$)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 11:20 |
| S49 | 0    | function adj block same memor\$ same license same circuit and (authenticat\$ verif\$)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 11:21 |

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|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S50 | 24066 | function adj block  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 11:21 |
| S51 | 24066 | function adj block  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/09 11:21 |
| S52 | 11    | ("4926480"   "5581503").PN. OR ("5774545").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/06/09 11:22 |
| S53 | 0     | "5774545".pn. and license   | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/09 11:22 |
| S54 | 63    | semiconductor adj circuit and license   | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/09 11:34 |
| S55 | 273   | semiconductor adj circuit and (intellectual adj property or protect adj2 software)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/09 11:35 |
| S56 | 114   | semiconductor adj circuit and (intellectual adj property or protect adj2 software)  | USPAT   | OR | ON | 2005/06/09 11:38 |
| S57 | 6     | semiconductor adj circuit and (intellectual adj property or protect adj2 software) and ("713"/\$.ccls. "380"/\$.ccls.)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/09 11:39 |
| S58 | 16    | (US-4766516-\$ or US-5182770-\$ or US-5903650-\$ or US-6294816-\$ or US-6535016-\$ or US-5761309-\$ or US-6032257-\$ or US-6629061-\$ or US-6018800-\$ or US-5034980-\$ or US-5027398-\$ or US-4985920-\$ or US-6763463-\$ or US-6567915-\$ or US-6779113-\$ or US-6779115-\$).did.             | USPAT   | OR | ON | 2005/06/09 11:48 |
| S59 | 10    | (US-4766516-\$ or US-5182770-\$ or US-5903650-\$ or US-6294816-\$ or US-6535016-\$ or US-5761309-\$ or US-6032257-\$ or US-6629061-\$ or US-6018800-\$ or US-5034980-\$ or US-5027398-\$ or US-4985920-\$ or US-6763463-\$ or US-6567915-\$ or US-6779113-\$ or US-6779115-\$).did. and license | USPAT   | OR | ON | 2005/06/09 11:49 |
| S60 | 707   | license same information same (protect\$ authorizat\$ verif\$)  | USPAT   | OR | ON | 2005/06/09 11:50 |
| S61 | 184   | license same information same (protect\$ authorizat\$ verif\$) and ("713"/\$.ccls. "380"/\$.ccls.)  | USPAT   | OR | ON | 2005/06/09 11:50 |
| S62 | 32    | license adj information same (protect\$ authorizat\$ verif\$) and ("713"/\$.ccls. "380"/\$.ccls.)   | USPAT   | OR | ON | 2005/06/09 12:42 |
| S63 | 114   | license adj information and circuit   | USPAT   | OR | ON | 2005/06/09 12:42 |
| S64 | 21    | license adj information same circuit  | USPAT   | OR | ON | 2005/06/09 12:43 |
| S65 | 70    | time same disable same license  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/09 14:03 |
| S66 | 25    | time same disable same license  | USPAT   | OR | ON | 2005/06/09 14:03 |
| S67 | 8     | license same counter with number with (encrypt\$ decrypt\$ crypto\$ encod\$)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/09 14:27 |
| S68 | 2835  | counter with number with (encrypt\$ decrypt\$ crypto\$ encod\$)   | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/09 14:27 |
| S69 | 2356  | counter with number with (encrypt\$ decrypt\$ crypto\$ encod\$)   | USPAT   | OR | ON | 2005/06/09 14:27 |
| S70 | 2320  | counter with number with (encrypt\$ encod\$)  | USPAT   | OR | ON | 2005/06/09 14:27 |
| S71 | 748   | counter with number with (encrypt\$ encod\$) same circuit   | USPAT   | OR | ON | 2005/06/09 14:28 |
| S72 | 115   | counter with number with (encrypt\$ encod\$) same circuit same memor\$  | USPAT   | OR | ON | 2005/06/09 14:29 |
| S73 | 56    | counter with number with (encrypt\$ encod\$) same circuit same memor\$ same stor\$  | USPAT   | OR | ON | 2005/06/09 14:29 |
| S76 | 3742  | (encod\$ encrypt\$) same counter same (value number) same stor\$  | US-PGPUB;<br>USPAT  | OR | ON | 2005/06/09 14:35 |
| S77 | 3032  | (encod\$ encrypt\$) same counter same (value number) same stor\$  | USPAT   | OR | ON | 2005/06/09 14:36 |

## EAST Search History

|      |       |   |                    |    |    |                  |
|------|-------|---|--------------------|----|----|------------------|
| S78  | 677   | (encod\$ encrypt\$) with counter with (value number) with stor\$  | US-PGPUB;<br>USPAT | OR | ON | 2005/06/09 14:36 |
| S79  | 544   | (encod\$ encrypt\$) with counter with (value number) with stor\$  | USPAT              | OR | ON | 2005/06/09 14:42 |
| S80  | 19383 | (encod\$ encrypt\$) with counter with (value number) with stor\$and ("713"/\$.ccls. "380"/\$.ccls.)   | USPAT              | OR | ON | 2005/06/09 14:43 |
| S81  | 47    | (encod\$ encrypt\$) with counter with (value number) with stor\$ and ("713"/\$.ccls. "380"/\$.ccls.)  | USPAT              | OR | ON | 2005/06/09 14:43 |
| S82  | 414   | lsi adj tester  | US-PGPUB;<br>USPAT | OR | ON | 2005/06/09 15:13 |
| S83  | 276   | lsi adj tester  | USPAT              | OR | ON | 2005/06/09 15:15 |
| S84  | 172   | lsi adj tester same circuit   | USPAT              | OR | ON | 2005/06/09 15:17 |
| S85  | 53    | lsi adj tester same circuit same memor\$  | USPAT              | OR | ON | 2005/06/09 15:22 |
| S86  | 414   | lsi adj tester  | US-PGPUB;<br>USPAT | OR | ON | 2005/06/09 15:51 |
| S87  | 12    | external adj lsi adj tester   | US-PGPUB;<br>USPAT | OR | ON | 2005/06/09 15:51 |
| S88  | 2797  | 705/50-59.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2005/11/18 15:07 |
| S89  | 1190  | 705/56-59.ccls.   | US-PGPUB;<br>USPAT | OR | ON | 2005/11/20 06:19 |
| S90  | 23    | ("4291404" "4601034" "4766516" "4924378" "4985920" "5027398" "5034980" "5123045" "5182770" "5363380" "5761309" "5903650" "6018800" "6032257" "6198669" "6294816" "6510502" "6535016" "6567915" "6629061" "6763463" "6772133" "6779113").PN.   | US-PGPUB;<br>USPAT | OR | ON | 2005/11/18 15:51 |
| S91  | 45    | semiconductor and integrated adj circuit and license adj information  | US-PGPUB;<br>USPAT | OR | ON | 2005/11/20 06:15 |
| S92  | 1     | "5774545".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2005/11/20 06:15 |
| S93  | 10    | ("5774545").URPN.   | USPAT              | OR | ON | 2005/11/20 06:15 |
| S94  | 682   | 705/56-59.ccls. and @ad<"20010402"  | US-PGPUB;<br>USPAT | OR | ON | 2005/11/20 06:23 |
| S95  | 79    | usable same unusable same status  | US-PGPUB;<br>USPAT | OR | ON | 2005/11/20 06:39 |
| S96  | 18943 | smart adj card smartcard  | US-PGPUB;<br>USPAT | OR | ON | 2005/11/20 06:39 |
| S97  | 3209  | S96 and (program\$ same (authentica\$ validat\$))   | US-PGPUB;<br>USPAT | OR | ON | 2005/11/20 06:39 |
| S98  | 761   | S96 same (program\$ same (authentica\$ validat\$))  | US-PGPUB;<br>USPAT | OR | ON | 2005/11/20 06:54 |
| S99  | 212   | S96 same (program\$ same (authentica\$ validat\$)) and licens\$   | US-PGPUB;<br>USPAT | OR | ON | 2005/11/20 06:47 |
| S100 | 100   | ("4317014" "4766516" "4857890" "4884072" "5196846" "5748875" "5796940" "5978476" "6011320" "6011958" "6050494" "4528566" "5408772" "3644886" "3863244" "3811049" "3810147" "4255887" "4379254" "4418411" "4441226" "4461300" "4506148" "4575676" "4831503" "4847577" "4894714" "4896349" "4922111" "4926164" "4982645" "4991212" "5003253" "5005306" "5006846" "5012236" "5015830" "5025351" "5181026" "5182770" "5231349" "5262813" "5301091" "5333011" "5341368" "5396215" "5408695" "5438862" "5471039" "5473692").pn. ("5475205" "5504521" "5506584" "5533589" "5557281" "5568552" "5586145" "5596382" "5600253" "5599046" "5604679" "5621200" "5622423" "5642095" "5664950" "5668880" "5687190" "5686765" "5697060" "5696739" "5721875" "5767794" "5793477" "5796941" "5818019" "5824571" "5825414" "5829245" "5841401" "5844789" "5882722" "5903104" "5997044" "6006354" "6025784" "6028511" "6049674" "6054764" "6053405" "6058478" "6060838" "6064302" "6094133" "6102961" "6108636" "6108376" "6111506" "6131075" "6141676" "6164532").pn. | US-PGPUB;<br>USPAT | OR | ON | 2005/11/20 06:40 |

## EAST Search History

|          |      |   |   |    |    |                  |
|----------|------|---|---|----|----|------------------|
| S10<br>1 | 21   | S96 same (program\$ same (authenticat\$ validat\$)) same licens\$   | US-PGPUB;<br>USPAT  | OR | ON | 2005/11/20 06:47 |
| S10<br>2 | 23   | ("4291404" "4601034" "4766516" "4924378" "4985920" "5027398" "5034980" "5123045" "5182770" "5363380" "5761309" "5903650" "6018800" "6032257" "6198669" "6294816" "6510502" "6535016" "6567915" "6629061" "6763463" "6772133" "6779113").PN.   | US-PGPUB;<br>USPAT  | OR | ON | 2005/11/20 06:54 |
| S10<br>6 | 10   | (US-20010037301-\$).did. or (US-5123045-\$ or US-6198669-\$ or US-6567915-\$ or US-6772133-\$ or US-6606744-\$ or US-6820063-\$ or US-6775779-\$ or US-6779113-\$ or US-6779112-\$).did.  | US-PGPUB;<br>USPAT  | OR | ON | 2005/11/20 08:14 |
| S10<br>7 | 24   | ("4291404" "4601034" "4766516" "4924378" "4985920" "5027398" "5034980" "5123045" "5182770" "5363380" "5761309" "5903650" "6018800" "6032257" "6198669" "6294816" "6510502" "6535016" "6567915" "6629061" "6763463" "6772133" "6779113" "6820063").PN.   | US-PGPUB;<br>USPAT  | OR | ON | 2005/11/20 08:14 |
| S10<br>8 | 10   | S106 not "I24"  | US-PGPUB;<br>USPAT  | OR | ON | 2005/11/20 08:14 |
| S10<br>9 | 1759 | "I24" not S106  | US-PGPUB;<br>USPAT  | OR | ON | 2005/11/20 08:14 |
| S11<br>0 | 4    | S106 not S107   | US-PGPUB;<br>USPAT  | OR | ON | 2005/11/20 08:14 |
| S11<br>1 | 4    | (US-20010037301-\$).did. or (US-6606744-\$ or US-6775779-\$ or US-6779112-\$).did.  | US-PGPUB;<br>USPAT  | OR | ON | 2005/11/20 08:14 |
| S11<br>3 | 206  | ("4317014" "4766516" "4857890" "4884072" "5196846" "5748875" "5796940" "5978476" "6011320" "6011958" "6050494" "4528566" "5408772" "3644886" "3863244" "3811049" "3810147" "4255887" "4379254" "4418411" "4441226" "4461300" "4506148" "4575676" "4831503" "4847577" "4894714" "4896349" "4922111" "4926164" "4982645" "4991212" "5003253" "5005306" "5006846" "5012236" "5015830" "5025351" "5181026" "5182770" "5231349" "5262813" "5301091" "5333011" "5341368" "5396215" "5408695" "5438862" "5471039" "5473692").pn. ("5475205" "5504521" "5506584" "5533589" "5557281" "5568552" "5586145" "5596382" "5600253" "5599046" "5604679" "5621200" "5622423" "5642095" "5664950" "5668880" "5687190" "5686765" "5697060" "5696739" "5721875" "5767794" "5793477" "5796941" "5818019" "5824571" "5825414" "5829245" "5841401" "5844789" "5882722" "5903104" "5997044" "6006354" "6025784" "6028511" "6049674" "6054764" "6053405" "6058478" "6060838" "6064302" "6094133" "6102961" "6108636" "6108376" "6111506" "6131075" "6141676" "6164532").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/05 10:06 |
| S11<br>4 | 46   | hardware adj function adj block   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/05 13:00 |
| S11<br>5 | 3    | ("6597915" "6820063" "6198669").pn.   | US-PGPUB;<br>USPAT  | OR | ON | 2006/05/05 13:23 |
| S11<br>6 | 3    | ("6567915" "6820063" "6198669").pn.   | US-PGPUB;<br>USPAT  | OR | ON | 2006/05/05 13:44 |
| S11<br>7 | 108  | (enable same disable) same function adj block   | US-PGPUB;<br>USPAT  | OR | ON | 2006/05/05 15:30 |

## EAST Search History

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| S11<br>8 | 100 | ("4317014" "4766516" "4857890" "4884072" "5196846"<br>"5748875" "5796940" "5978476" "6011320" "6011958"<br>"6050494" "4528566" "5408772" "3644886" "3863244"<br>"3811049" "3810147" "4255887" "4379254" "4418411"<br>"4441226" "4461300" "4506148" "4575676" "4831503"<br>"4847577" "4894714" "4896349" "4922111" "4926164"<br>"4982645" "4991212" "5003253" "5005306" "5006846"<br>"5012236" "5015830" "5025351" "5181026" "5182770"<br>"5231349" "5262813" "5301091" "5333011" "5341368"<br>"5396215" "5408695" "5438862" "5471039" "5473692").pn.<br>("5475205" "5504521" "5506584" "5533589" "5557281"<br>"5568552" "5586145" "5596382" "5600253" "5599046"<br>"5604679" "5621200" "5622423" "5642095" "5664950"<br>"5668880" "5687190" "5686765" "5697060" "5696739"<br>"5721875" "5767794" "5793477" "5796941" "5818019"<br>"5824571" "5825414" "5829245" "5841401" "5844789"<br>"5882722" "5903104" "5997044" "6006354" "6025784"<br>"6028511" "6049674" "6054764" "6053405" "6058478"<br>"6060838" "6064302" "6094133" "6102961" "6108636"<br>"6108376" "6111506" "6131075" "6141676" "6164532").pn. | US-PGPUB;<br>USPAT                        | OR | ON | 2006/05/05 14:49 |
| S12<br>9 | 28  | ("20010037301" "4291404" "4601034" "4766516" "4924378" "4<br>985920" "5027398" "5034980" "5123045" "5182770" "5363380"<br> "5761309" "5903650" "6018800" "6032257" "6198669" "62948<br>16" "6510502" "6535016" "6567915" "6606744" "6629061" "676<br>3463" "6772133" "6775779" "6779112" "6779113" "6820063").<br>PN.  | US-PGPUB;<br>USPAT                        | OR | ON | 2006/05/05 17:35 |
| S13<br>0 | 11  | (US-20010037301-\$).did. or (US-6567915-\$ or US-5123045-\$<br>or US-6198669-\$ or US-6779113-\$ or US-6000004-\$ or<br>US-6779112-\$ or US-6606744-\$ or US-6820063-\$ or<br>US-6772133-\$ or US-6775779-\$).did.   | US-PGPUB;<br>USPAT                        | OR | ON | 2006/05/05 17:35 |
| S13<br>1 | 1   | S130 not S129  | US-PGPUB;<br>USPAT                        | OR | ON | 2006/05/05 17:35 |
| S13<br>2 | 1   | "6389420".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/05/07 07:25 |
| S13<br>3 | 0   | "6389420".pn. and gateway  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/05/07 07:25 |
| S13<br>4 | 1   | "6389420".pn. and inter\$  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/05/07 07:36 |
| S13<br>5 | 1   | "6389420".pn. and (inter\$ modif\$)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/05/07 07:36 |
| S13<br>6 | 1   | "6389420".pn. and (inter\$ modif\$ gat\$)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/05/07 07:37 |
| S13<br>7 | 1   | "6389420".pn. and (inter\$ modif\$ gat\$ stor\$)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | ON | 2006/05/07 07:37 |